

Notice of Allowability

Application No.

09/929,035

Examiner

Kambiz Zand

Applicant(s)

GIEN ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 05/24/2006 and Interview on 08/16/2006.
2. ☒ The allowed claim(s) is/are 1-48.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

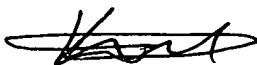
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 08/16/06 enclosed.
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


KAMBIZ ZAND
PRIMARY EXAMINER

DETAILED ACTION
EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Edward J. Radlo on 08/16/2006.

The application has been amended as follows:

Claim 1

(Currently amended) Apparatus for facilitating digital signing of electronic data, said system comprising:

- a browser;
- coupled to the browser, a signing module; and
- coupled to the browser and to the signing module, a signing interface, the signing interface adapted to be invoked by an executable software program transmitted to the browser from a remote location, and to:
 - forward data to be signed to the signing module,
 - receive a digital signature for the data to be signed from the signing module, and

forward the digital signature to the remote location; wherein the signing interface comprises a signing plug-in and a signing interface library having an API.

Claim 21

(Currently amended) A method for facilitating digital signing of electronic data, said method comprising the steps of:

a browser receiving an executable software program from a remote location;
the executable software program triggering a signing interface, coupled to the browser, to forward data to be signed to a signing module;

the signing module sending to the signing interface a digital signature for the data to be signed; and

the signing interface forwarding the digital signature to a the remote location;
wherein the signing interface comprises a signing plug-in and a signing interface library having an API.

Claim 41

(Currently amended) Apparatus for facilitating digitally signing data by a first customer, said system comprising:

a browser;
coupled to the browser, a signing module;
coupled to the browser and to the signing module, a signing interface, the signing interface being adapted to facilitate access to system services provided via a

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four-corner model comprising a root entity, a first financial institution, a second financial institution, the first customer, and a second customer, the second customer maintaining a second-customer computer system;

coupled to the browser, means for downloading an executable software program from the second-customer computer system to the browser;

coupled to the downloading means, means for invoking the signing interface;

coupled to the invoking means, means for determining whether to request a system service;

coupled to the determining means, means for creating a service request for the system service;

coupled to the creating means, means for transmitting the service request;

coupled to the transmitting means, means for receiving a response to the service request;

coupled to the means for receiving a response, means for forwarding the data to be signed to the signing module;

coupled to the forwarding means, means for receiving a digital signature for the data to be signed from the signing module; and

coupled to the means for receiving a digital signature, means for forwarding the digital signature to a remote location specified by the executable software program;

wherein the signing interface comprises a signing plug-in and a signing interface library having an API.

Claim 45

(Currently amended) A method for accessing system services provided via a four-corner model, the four corner model comprising:

a root entity;

a first financial institution;

a second financial institution;

a first customer, said first customer being a customer of the first financial institution, said first customer maintaining a first-customer computer system, said first-customer computer system comprising:

a browser,

a signing module,

and a signing interface; and

a second customer, said second customer being a customer of the second financial institution, said second customer maintaining a second-customer computer system, said second-customer computer system comprising a Web server adapted to send an executable computer program to the first-customer computer system's browser, the method comprising the steps of:

invoking the signing interface;

retrieving data to be signed from a remote location;

determining whether to request a system service;

creating a service request for the system service;

transmitting the service request;

receiving a response to the service request;
forwarding the data to be signed to the signing module;
receiving a digital signature for the data to be signed from the signing module;
and

forwarding the digital signature to the remote location; wherein the signing interface comprises a signing plug-in and a signing interface library having an API.

Claim 46

Please replace "43" line 1 with –"45"--.

Claim 47

Please replace "44" line 1 with –"46"--.

2. The text of those sections of Title 35, U.S. Code not included in this section can be found in the prior office action.
3. The prior office actions are incorporated herein by reference. In particular, the observations with respect to claim language, and response to previously presented arguments.
4. Claims 1, 5, 15, , 21, 35, 39, 41, 45- 48 have been amended.
5. Claims 1, 21, 41 and 45-47 have been amended by Examiner amendments.
6. Claims 1-48 are pending.

Response to Arguments

7. Applicant's arguments filed 05/24/2006 have been fully considered and they are persuasive in the light of agreement reached on the interview conducted on 08/16/2006.

Allowable Subject Matter

8. Claims 1-48 are allowed.

Conclusion

9. Any comments considered necessary by the applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled "comments on statement of reasons for allowance."
10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kambiz Zand whose telephone number is 571-272-3811. The examiner can normally be reached on Monday-Thursday (8:00-5:00). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone numbers for the organization where this application or proceeding is assigned are 571-273-8300. Information regarding the status of an application may be

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obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



KAMBIZ ZAND
PRIMARY EXAMINER

08/16/2006

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